Fig. 1

(Prior Art)

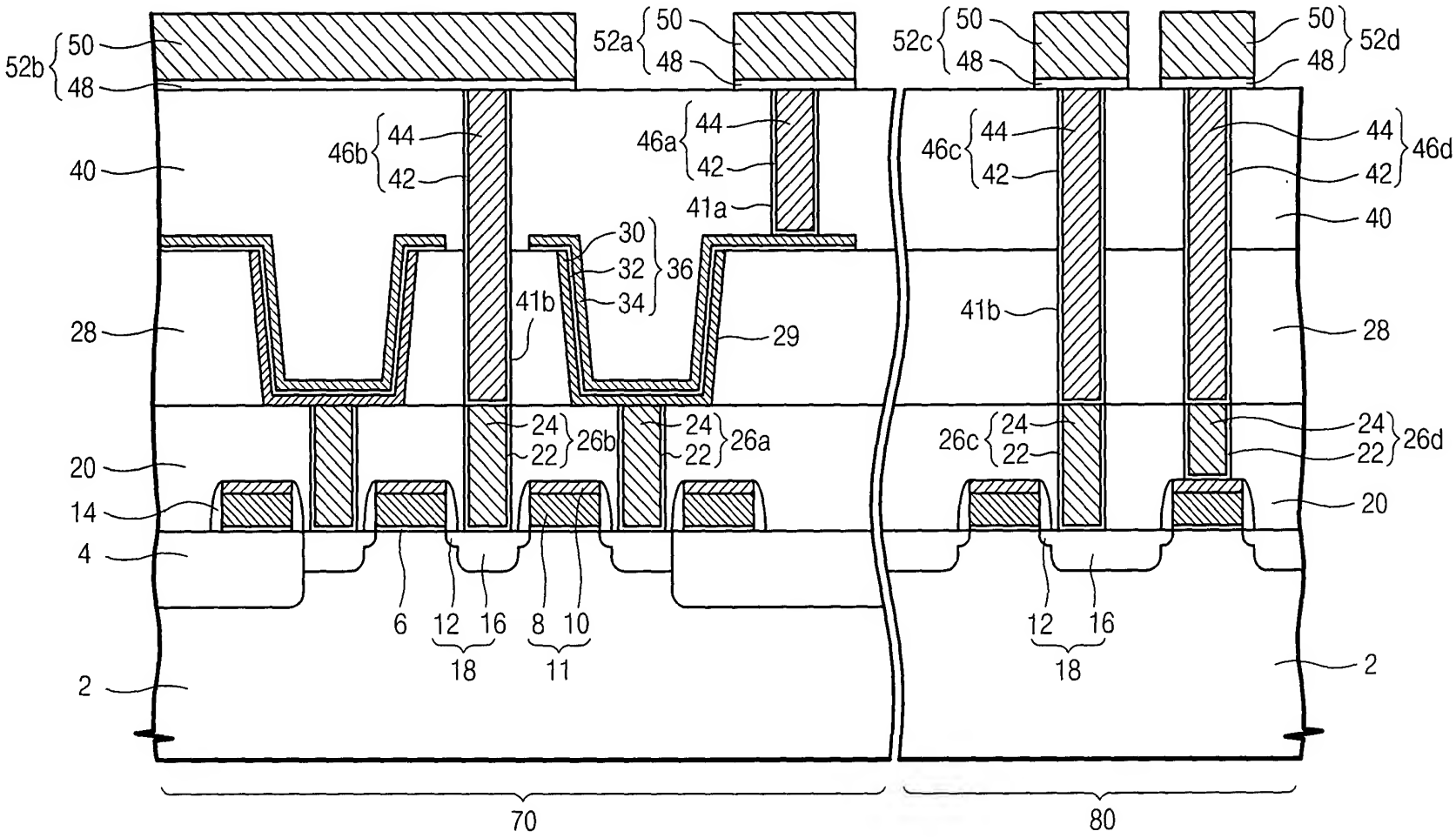
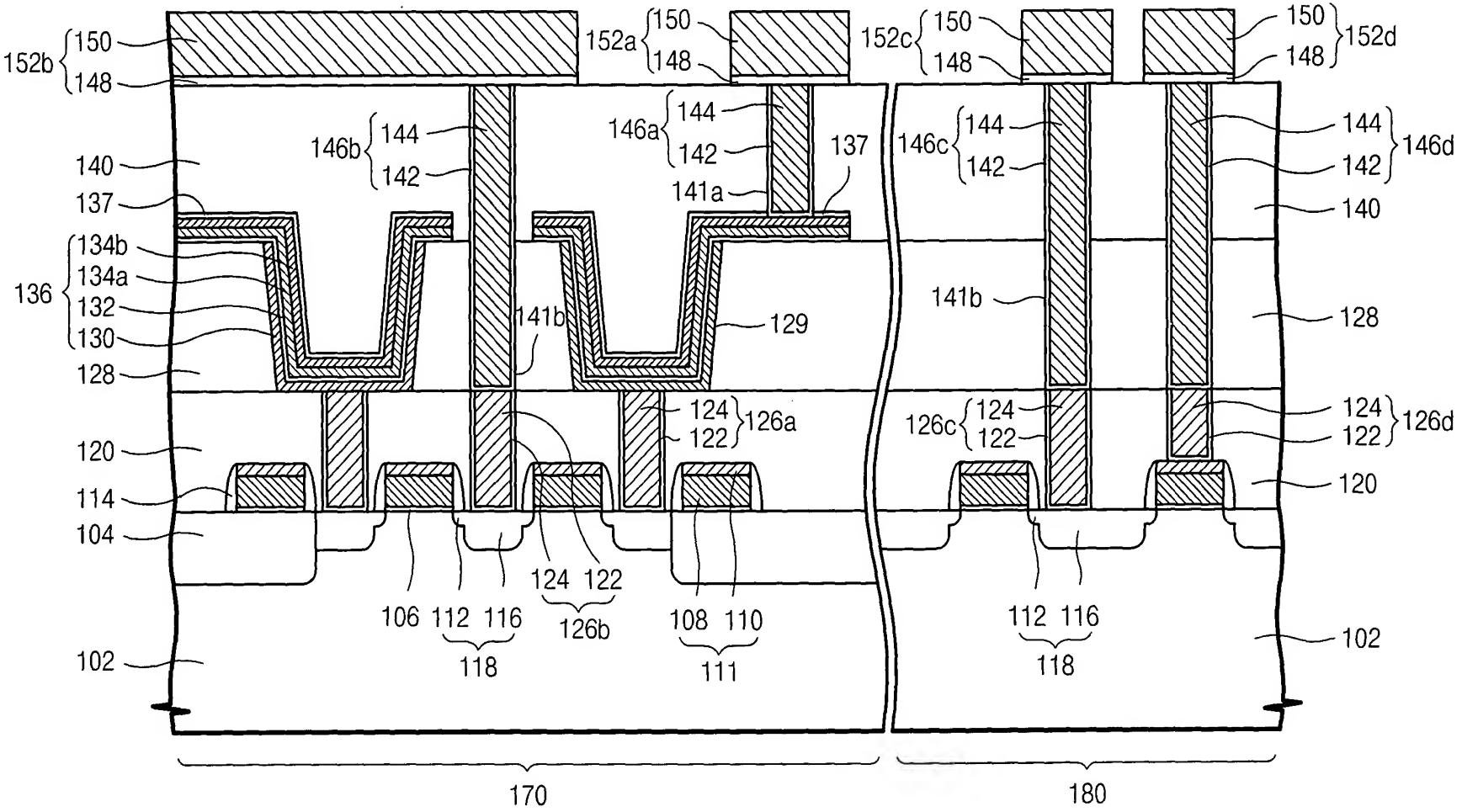


Fig. 2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148
152c
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152d
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144
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141a
146c
144
142
144
142
146d
140
137
140
134b
134a
136
132
130
141b
129
141b
128
128
124
122
126a
126c
124
122
124
122
126d
120
114
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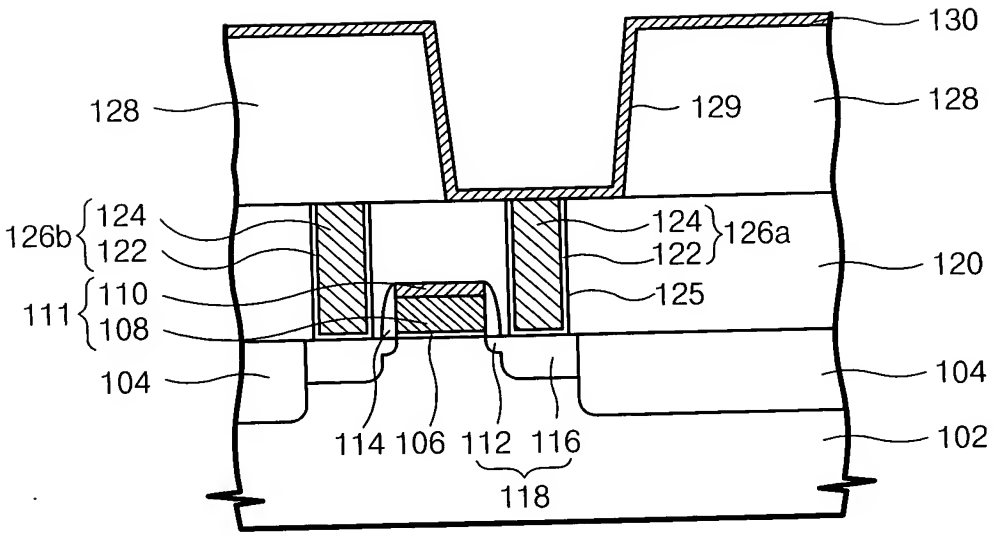
104
124 122
106 112 116
126b
108 110
112 116
102
118
111
118
102
170
180

Fig. 3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126b
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104
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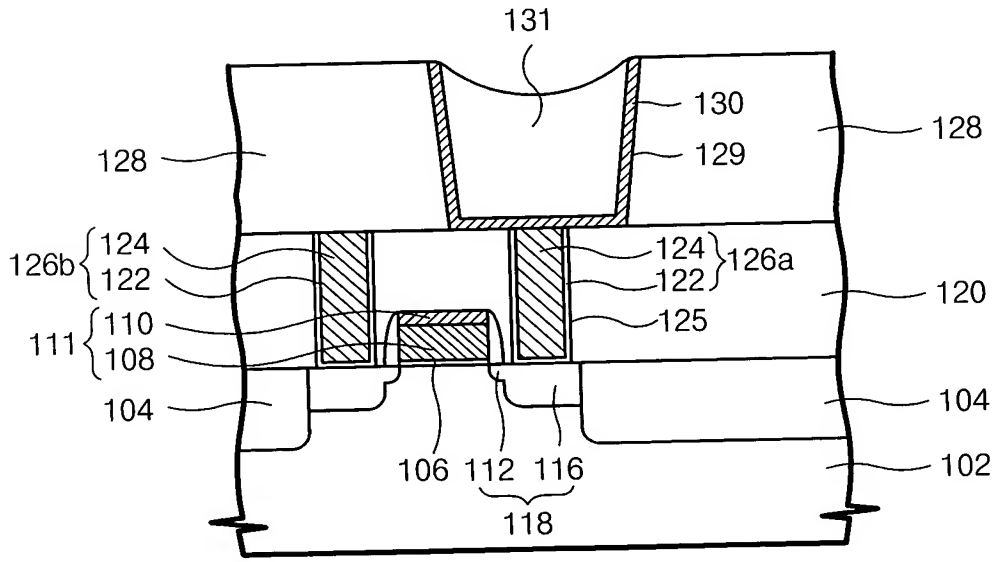
114
106
112
116
118

Fig. 4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130
128
128
129
126b
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124
122
126a
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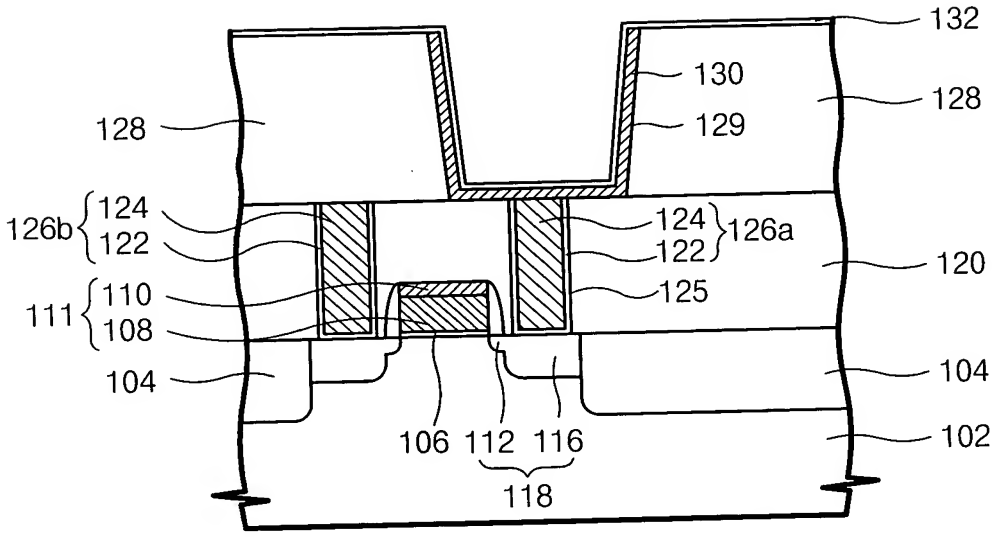
111
110
108
125
104
104
102
106
112
116
118

Fig. 5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130
128
129
128
126b
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124
122
126a
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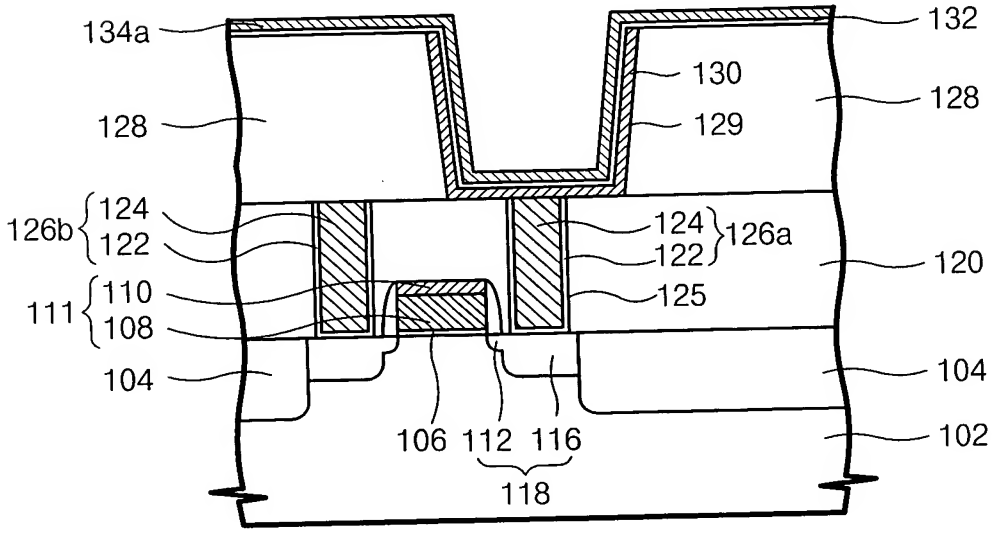
111
110
108
125
104
104
106
112
116
102
118

Fig. 6


134a
132
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128
129
128
126b
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126a
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111
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108
125
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104
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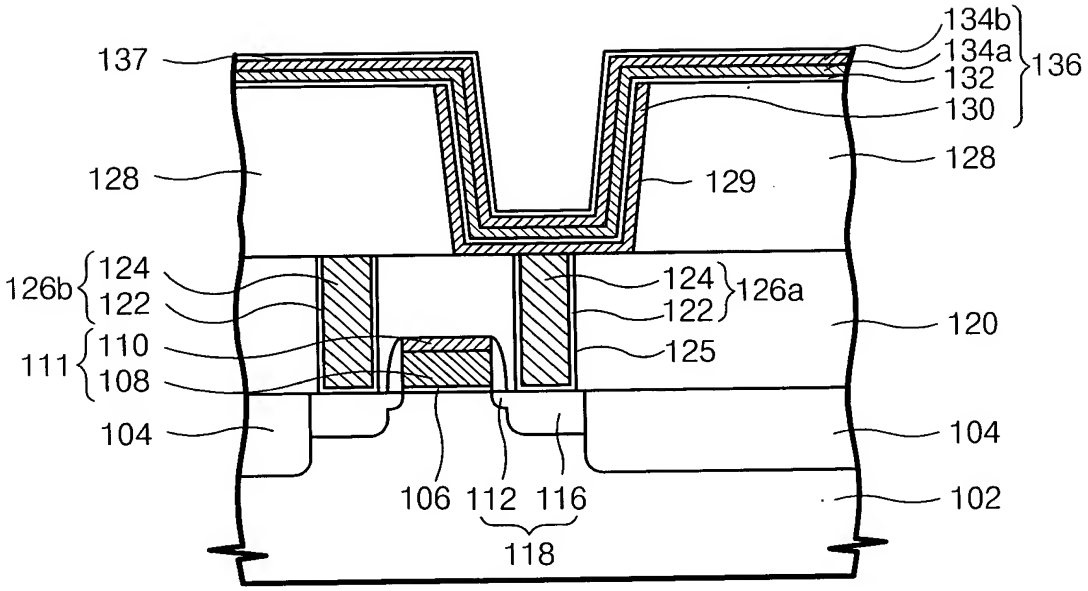
112
116
102
118

Fig. 7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134b
134a
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136
128
129
128
126b
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122
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122
126a
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111
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125
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104
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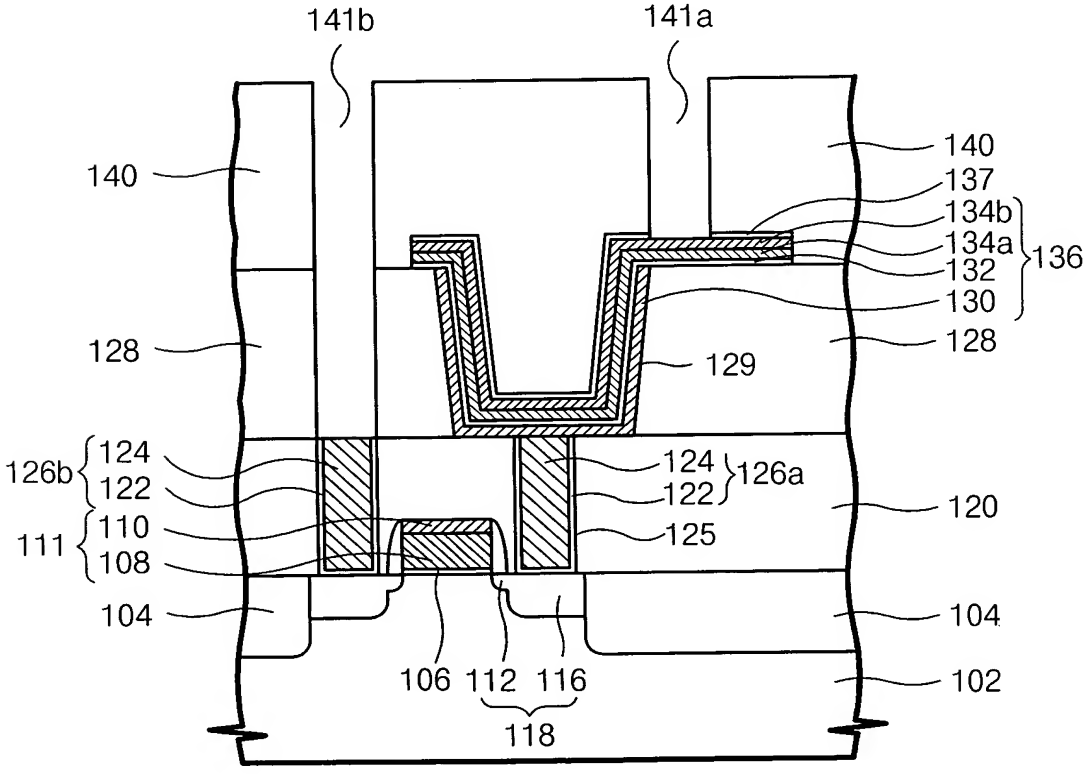
116
102
118

Fig. 8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134b
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128
128
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126b
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126a
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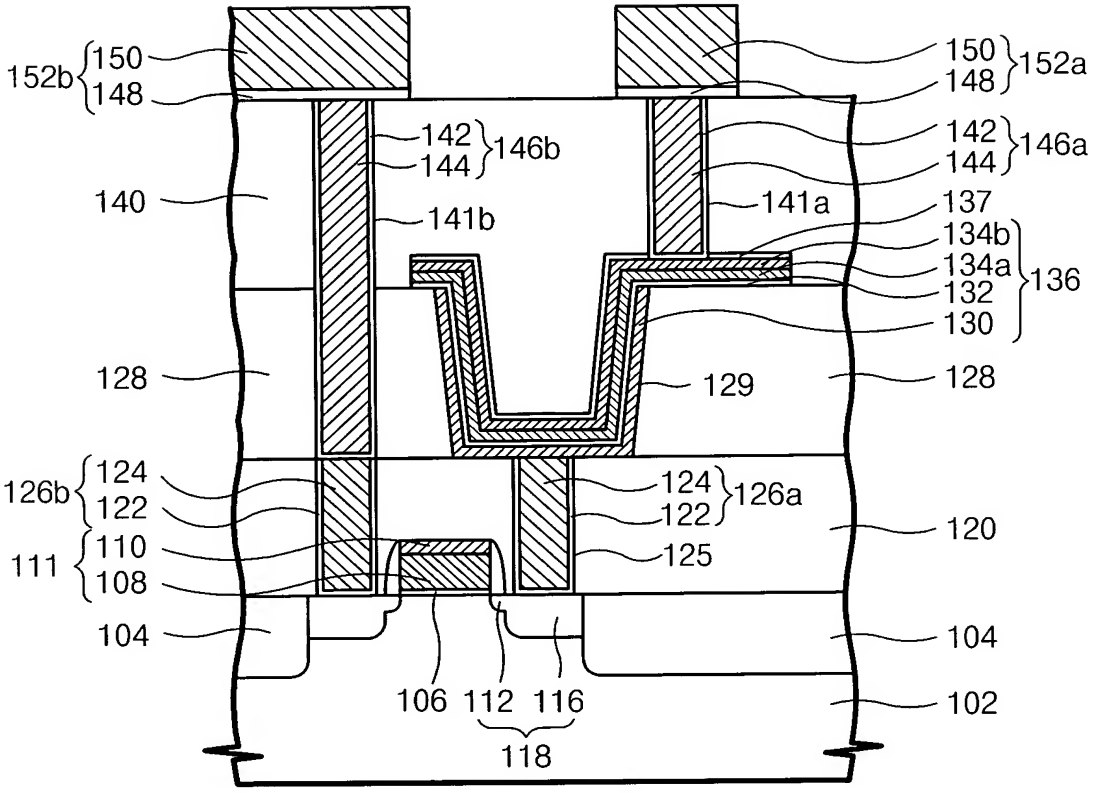
Fig. 9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141a
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134b
134a
132
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126b
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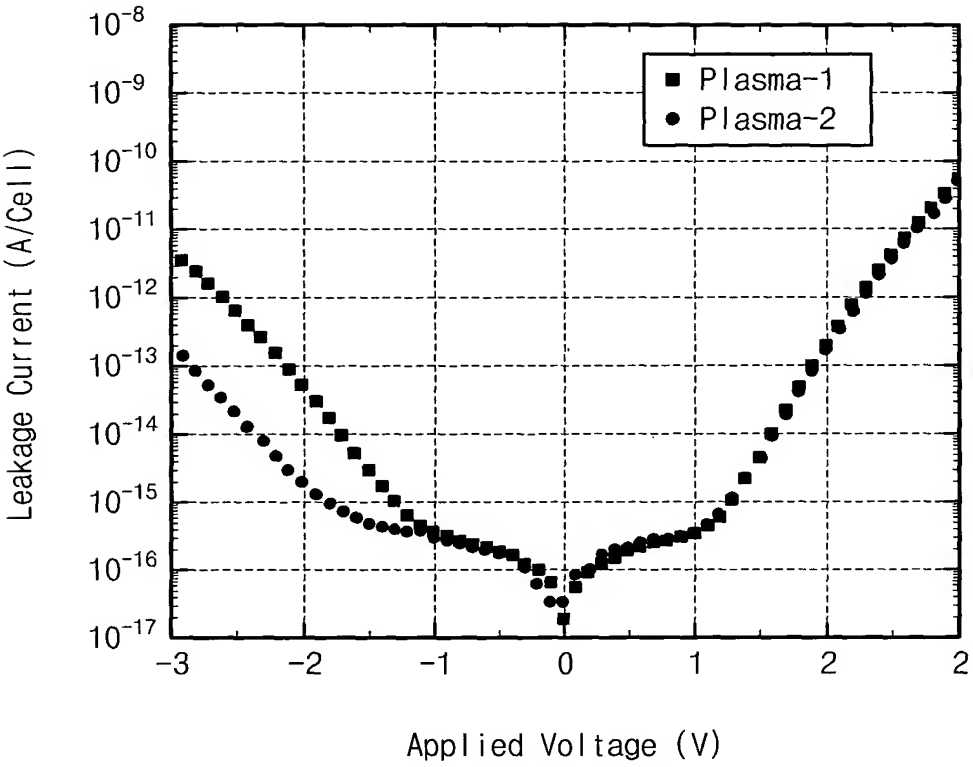
Fig. 10


Leakage Current (A/Cell)
10^{-8}
10^{-9}
10^{-10}
10^{-11}
10^{-12}
10^{-13}
10^{-14}
10^{-15}
10^{-16}
10^{-17}
-3
-2
-1
0
1
2
2
Plasma-1
Plasma-2
Applied Voltage (V)